

Union Calendar No. 13

105TH CONGRESS
1ST Session

H. R. 709

[Report No. 105-17]

A BILL

To reauthorize and amend the National Geologic
Mapping Act of 1992, and for other purposes.

MARCH 11, 1997

Reported with an amendment, committed to the Committee of the Whole House on the State of the Union, and ordered to be printed

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[Report No. 105–17]

To reauthorize and amend the National Geologic Mapping Act of 1992,
and for other purposes.

IN THE HOUSE OF REPRESENTATIVES

FEBRUARY 12, 1997

Mrs. CUBIN (for herself and Mr. GIBBONS) introduced the following bill; which
was referred to the Committee on Resources

MARCH 11, 1997

Additional sponsors: Mr. YOUNG of Alaska and Mr. CALVERT

MARCH 11, 1997

Reported with an amendment, committed to the Committee of the Whole
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[Strike out all after the enacting clause and insert the part printed in *italie*]

[For text of introduced bill, see copy of bill as introduced on February 12, 1997]

A BILL

To reauthorize and amend the National Geologic Mapping
Act of 1992, and for other purposes.

1 *Be it enacted by the Senate and House of Representa-*
2 *tives of the United States of America in Congress assembled,*

1 **SECTION 1. SHORT TITLE.**

2 *This Act may be cited as the “National Geologic Map-*
3 *ping Reauthorization Act of 1997”.*

4 **SEC. 2. FINDINGS.**

5 *Congress finds that—*

6 *(1) in enacting the National Geologic Mapping*
7 *Act of 1992 (43 U.S.C. 31a et seq.), Congress found,*
8 *among other things, that—*

9 *(A) during the 2 decades preceding enact-*
10 *ment of that Act, the production of geologic maps*
11 *had been drastically curtailed;*

12 *(B) geologic maps are the primary data*
13 *base for virtually all applied and basic earth-*
14 *science investigations;*

15 *(C) Federal agencies, State and local gov-*
16 *ernments, private industry, and the general pub-*
17 *lic depend on the information provided by geo-*
18 *logic maps to determine the extent of potential*
19 *environmental damage before embarking on*
20 *projects that could lead to preventable, costly en-*
21 *vironmental problems or litigation;*

22 *(D) the lack of proper geologic maps has led*
23 *to the poor design of such structures as dams*
24 *and waste-disposal facilities;*

1 (E) geologic maps have proven indispen-
 2 sable in the search for needed fossil fuel and
 3 mineral resources; and

4 (F) a comprehensive nationwide program of
 5 geologic mapping is required in order to system-
 6 atically build the Nation's geologic-map data
 7 base at a pace that responds to increasing de-
 8 mand;

9 (2) the geologic mapping program called for by
 10 that Act has not been fully implemented; and

11 (3) it is time for this important program to be
 12 fully implemented.

13 **SEC. 3. REAUTHORIZATION AND AMENDMENT.**

14 (a) *DEFINITIONS.*—Section 3 of the National Geologic
 15 Mapping Act of 1992 (43 U.S.C. 31b) is amended—

16 (1) by striking “As used in this Act:” and insert-
 17 ing “In this Act:”;

18 (2) by redesignating paragraphs (2), (3), (4),
 19 and (5) as paragraphs (3), (4), (5), and (7), respec-
 20 tively;

21 (3) by inserting after paragraph (1) the follow-
 22 ing:

23 “(2) *ASSOCIATION.*—The term ‘Association’
 24 means the Association of American State Geologists.”;

1 (4) by inserting after paragraph (5) (as redesign-
 2 nated by paragraph (2) of this subsection) the follow-
 3 ing new paragraph:

4 “(6) *STATE*.—The term ‘State’ includes the Dis-
 5 trict of Columbia, the Commonwealth of Puerto Rico,
 6 the Commonwealth of the Northern Mariana Islands,
 7 American Samoa, Guam, and the Virgin Islands.”;
 8 and

9 (5) in each paragraph that does not have a head-
 10 ing, by inserting a heading, in the same style as the
 11 heading in paragraph (2), as added by paragraph
 12 (3), the text of which is comprised of the term defined
 13 in the paragraph.

14 (b) *GEOLOGIC MAPPING PROGRAM*.—Section 4 of the
 15 National Geologic Mapping Act of 1992 (43 U.S.C. 31c)
 16 is amended—

17 (1) by striking subsection (a) and inserting the
 18 following:

19 “(a) *ESTABLISHMENT*.—

20 “(1) *IN GENERAL*.—There is established a na-
 21 tional cooperative geologic mapping program between
 22 the United States Geological Survey and the State ge-
 23 ological surveys, acting through the Association.

1 “(2) *DESIGN, DEVELOPMENT, AND ADMINISTRA-*
 2 *TION.—The cooperative geologic mapping program*
 3 *shall be—*

4 “(A) *designed and administered to achieve*
 5 *the objectives set forth in subsection (c);*

6 “(B) *developed in consultation with the ad-*
 7 *visory committee; and*

8 “(C) *administered through the Survey.*”;
 9 (2) *in subsection (b)—*

10 (A) *in the subsection heading by striking*
 11 *“USGS” and inserting “THE SURVEY”;*

12 (B) *in paragraph (1)—*

13 (i) *by single-indenting the paragraph,*
 14 *double-indenting the subparagraphs, and*
 15 *triple indenting the clauses;*

16 (ii) *by inserting “LEAD AGENCY.—”*
 17 *before “The Survey”;*

18 (iii) *in subparagraph (A)—*

19 (I) *by striking “Committee on*
 20 *Natural Resources” and inserting*
 21 *“Committee on Resources”; and*

22 (II) *by striking “date of enact-*
 23 *ment of this Act” and inserting “date*
 24 *of enactment of the National Geologic*

1 *Mapping Reauthorization Act of*
2 *1997”;*

3 *(iv) in subparagraph (B)—*

4 *(I) by striking “State geological*
5 *surveys” and inserting “Association”;*
6 *and*

7 *(II) by striking “date of enact-*
8 *ment of this Act” and inserting “date*
9 *of enactment of the National Geologic*
10 *Mapping Reauthorization Act of*
11 *1997”; and*

12 *(v) in subparagraph (C)—*

13 *(I) by striking “date of enactment*
14 *of this Act” and inserting “date of en-*
15 *actment of the National Geologic Map-*
16 *ping Reauthorization Act of 1997”;*

17 *(II) by striking “Committee on*
18 *Natural Resources” and inserting*
19 *“Committee on Resources”;*

20 *(III) in clauses (i) and (ii) by in-*
21 *serting “and the Association” after*
22 *“the Survey”;*

23 *(IV) by adding “and” at the end*
24 *of clause (ii); and*

1 (V) by striking “; and” at the end
 2 of clause (iii) and all that follows
 3 through the end of the subparagraph
 4 and inserting a period;

5 (C) in paragraph (2)—

6 (i) by inserting “RESPONSIBILITIES OF
 7 THE SECRETARY.—” before “In addition
 8 to”; and

9 (ii) in subparagraph (A) by striking
 10 “State geological surveys” and inserting
 11 “Association”; and

12 (D) by single-indenting the paragraph and
 13 double-indenting the subparagraphs;

14 (3) in subsection (c)—

15 (A) in paragraph (2) by striking “interpre-
 16 tive” and inserting “interpretative”; and

17 (B) in paragraph (4) by striking “aware-
 18 ness for” and inserting “awareness of”; and

19 (4) in subsection (d)—

20 (A) in paragraph (1) by inserting “FED-
 21 ERAL COMPONENT.—” before “A Federal”;

22 (B) in paragraph (2)—

23 (i) by inserting “SUPPORT COMPO-
 24 NENT.—” before “A geologic”; and

1 (ii) by striking subparagraph (D) and
2 inserting the following:

3 “(D) geochronologic and isotopic investiga-
4 tions that—

5 “(i) provide radiometric age dates for
6 geologic-map units; and

7 “(ii) fingerprint the geothermometry,
8 geobarometry, and alteration history of geo-
9 logic-map units,
10 which investigations shall be contributed to a na-
11 tional geochronologic data base;”;

12 (C) in paragraph (3) by inserting “STATE
13 COMPONENT.—” before “A State”; and

14 (D) by striking paragraph (4) and insert-
15 ing the following:

16 “(4) EDUCATION COMPONENT.—A geologic map-
17 ping education component—

18 “(A) the objectives of which shall be—

19 “(i) to develop the academic programs
20 that teach earth-science students the fun-
21 damental principles of geologic mapping
22 and field analysis; and

23 “(ii) to provide for broad education in
24 geologic mapping and field analysis through
25 support of field studies;

1 “(B) investigations under which shall be in-
 2 tegrated with the other mapping components of
 3 the geologic mapping program and shall respond
 4 to priorities identified for those components; and

5 “(C) Federal funding for which shall be
 6 matched by non-Federal sources on a 1-to-1
 7 basis.”.

8 (c) *ADVISORY COMMITTEE.*—Section 5 of the National
 9 Geologic Mapping Act of 1992 (43 U.S.C. 31d) is amend-
 10 ed—

11 (1) by striking subsection (a) and inserting the
 12 following:

13 “(a) *ESTABLISHMENT.*—

14 “(1) *IN GENERAL.*—There shall be established a
 15 10-member geologic mapping advisory committee to
 16 advise the Director on planning and implementation
 17 of the geologic mapping program.

18 “(2) *MEMBERS EX OFFICIO.*—Federal agency
 19 members shall include the Administrator of the Envi-
 20 ronmental Protection Agency or a designee, the Sec-
 21 retary of Energy or a designee, the Secretary of Agri-
 22 culture or a designee, and the Assistant to the Presi-
 23 dent for Science and Technology or a designee.

1 “(3) *APPOINTED MEMBERS*.—Not later than 90
 2 *days after the date of enactment of the National Geo-*
 3 *logic Mapping Reauthorization Act of 1997, in con-*
 4 *sultation with the Association, the Secretary shall ap-*
 5 *point to the advisory committee 2 representatives*
 6 *from the Survey (including the Chief Geologist, as*
 7 *Chairman), 2 representatives from the State geologi-*
 8 *cal surveys, 1 representative from academia, and 1*
 9 *representative from the private sector.”; and*

10 (2) *in subsection (b)(3) by striking “and State”*
 11 *and inserting “, State, and university”.*

12 (d) *GEOLOGIC MAPPING PROGRAM IMPLEMENTATION*
 13 *PLAN*.—Section 6 of the National Geologic Mapping Act of
 14 1992 (43 U.S.C. 31e) is amended—

15 (1) *in paragraph (1) by inserting “cooperative”*
 16 *after “national”;*

17 (2) *by striking paragraph (3)(C) and inserting*
 18 *the following:*

19 “(C) *for the State geologic mapping compo-*
 20 *nent, a priority-setting mechanism that responds*
 21 *to—*

22 “(i) *specific intrastate needs for geo-*
 23 *logic-map information; and*

1 “(ii) interstate needs shared by adja-
2 cent entities that have common require-
3 ments; and”;

4 (3) by striking paragraphs (4) and (5) and in-
5 serting the following:

6 “(4) a mechanism for adopting scientific and
7 technical mapping standards for preparing and pub-
8 lishing general-purpose and special-purpose geologic
9 maps to—

10 “(A) ensure uniformity of cartographic and
11 scientific conventions; and

12 “(B) provide a basis for judgment as to the
13 comparability and quality of map products;
14 and”;

15 (4) by redesignating paragraph (6) as para-
16 graph (5).

17 (e) NATIONAL GEOLOGIC-MAP DATA BASE.—Section 7
18 of the National Geologic Mapping Act of 1992 (43 U.S.C.
19 31f) is amended by striking subsection (b) and inserting
20 the following:

21 “(b) STANDARDIZATION.—

22 “(1) IN GENERAL.—Geologic maps contributed to
23 the national archives shall have format, symbols, and
24 technical attributes that adhere to standards so that
25 archival information can be accessed, exchanged, and

1 *compared efficiently and accurately, as required by*
2 *Executive Order 12906 (59 Fed. Reg. 17,671 (1994)),*
3 *which established the National Spatial Data Infra-*
4 *structure.*

5 *“(2) DEVELOPMENT OF STANDARDS.—Entities*
6 *that contribute geologic maps to the national archives*
7 *shall develop the standards described in paragraph*
8 *(1) in cooperation with the Federal Geographic Data*
9 *Committee, which is charged with standards develop-*
10 *ment and other data coordination activities as de-*
11 *scribed in Office of Management and Budget revised*
12 *Circular A–16.”.*

13 *(f) ANNUAL REPORT.—Section 8 of the National Geo-*
14 *logic Mapping Act of 1992 (43 U.S.C. 31g) is amended in*
15 *the first sentence—*

16 *(1) by striking “Committee on Natural Re-*
17 *sources” and inserting “Committee on Resources”;*
18 *and*

19 *(2) by striking “program, and describing and*
20 *evaluating progress” and inserting “program and de-*
21 *scribing and evaluating the progress”.*

22 *(g) AUTHORIZATION OF APPROPRIATIONS.—Section 9*
23 *of the National Geologic Mapping Act of 1992 (43 U.S.C.*
24 *31h) is amended to read as follows:*

1 **“SEC. 9. AUTHORIZATION OF APPROPRIATIONS.**

2 “(a) *IN GENERAL.*—*There are authorized to be appro-*
 3 *priated to carry out the national cooperative geologic map-*
 4 *ping program under this Act—*

5 “(1) \$26,000,000 for fiscal year 1998;

6 “(2) \$28,000,000 for fiscal year 1999; and

7 “(3) \$30,000,000 for fiscal year 2000.

8 “(b) *ALLOCATION OF APPROPRIATED FUNDS.*—

9 “(1) *IN GENERAL.*—*Of the amount of funds that*
 10 *are appropriated under subsection (a) for any fiscal*
 11 *year up to the amount that is equal to the amount*
 12 *appropriated to carry out the national cooperative*
 13 *geologic mapping program for fiscal year 1996—*

14 “(A) *not less than 20 percent shall be allo-*
 15 *cated to State mapping activities; and*

16 “(B) *not less than 2 percent shall be allo-*
 17 *cated to educational mapping activities.*

18 “(2) *INCREASED APPROPRIATIONS.*—*Of the*
 19 *amount of funds that are appropriated under sub-*
 20 *section (a) for any fiscal year up to the amount that*
 21 *exceeds the amount appropriated to carry out the na-*
 22 *tional cooperative geologic mapping program for fis-*
 23 *cal year 1996—*

24 “(A) *for fiscal year 1998—*

1 “(i) 75 percent shall be allocated for
2 Federal mapping and support mapping ac-
3 tivities;

4 “(ii) 23 percent shall be allocated for
5 State mapping activities; and

6 “(iii) 2 percent shall be allocated for
7 educational mapping activities;

8 “(B) for fiscal year 1999—

9 “(i) 74 percent shall be allocated for
10 Federal mapping and support mapping ac-
11 tivities;

12 “(ii) 24 percent shall be allocated for
13 State mapping activities; and

14 “(iii) 2 percent shall be allocated for
15 educational mapping activities; and

16 “(C) for fiscal year 2000—

17 “(i) 73 percent shall be allocated for
18 Federal mapping and support mapping ac-
19 tivities;

20 “(ii) 25 percent shall be allocated for
21 State mapping activities; and

22 “(iii) 2 percent shall be allocated for
23 educational mapping activities.”.